



#5

OIPE

RAW SEQUENCE LISTING

DATE: 04/16/2002

PATENT APPLICATION: US/10/038,717A

TIME: 13:46:08

Input Set : N:\Crf3\03142002\J038717.raw

Output Set: N:\CRF3\04162002\J038717A.raw

1 <110> APPLICANT: HITACHI, LTD.
2 <120> TITLE OF INVENTION: Method of DNA Sequencing, Reagent Kit for DNA Sequencing and Apparatus for
3 DNA Sequencing
4 <130> FILE REFERENCE: NT01P0333
5 <140> CURRENT APPLICATION NUMBER: US/10/038,717A
6 <141> CURRENT FILING DATE: 2002-03-07
7 <160> NUMBER OF SEQ ID NOS: 12
9 <210> SEQ ID NO: 1
10 <211> LENGTH: 105
11 <212> TYPE: DNA
12 <213> ORGANISM: Artificial Sequence
13 <220> FEATURE:
14 <223> OTHER INFORMATION: Template DNA originating from M13mp18
15 <400> SEQUENCE: 1
16 acaggaaaca gctatgacca tgattacgaa ttcgagctcg gtaccggggg atcctctaga 60
17 gtcgacctgc aggcattgcaa gcttggcact ggccgtcgtt ttaca 105
19 <210> SEQ ID NO: 2
20 <211> LENGTH: 17
21 <212> TYPE: DNA
22 <213> ORGANISM: Artificial Sequence
23 <220> FEATURE:
24 <223> OTHER INFORMATION: DNA primer complementary with base sequence between 88 and
105 of SEQ ID
25 NO:1, but the base replaced C at 15 of this DNA primer by G for introducing a
26 mismatch between DNA primer
27 and template
28 <223> OTHER INFORMATION: DNA, and DNA primer being able to be extended
W--> 29 <400> 2
30 tgtaaaacga cggcgag 17
32 <210> SEQ ID NO: 3
33 <211> LENGTH: 17
34 <212> TYPE: DNA
35 <213> ORGANISM: Artificial Sequence
36 <220> FEATURE:
37 <223> OTHER INFORMATION: DNA primer complementary with base sequence between 88 and
105 of SEQ ID
38 NO:1, but the base replaced C at 15 of this DNA primer by G for introducing a
39 mismatch between DNA primer
40 and template
41 <223> OTHER INFORMATION: DNA, and DNA primer being not able to be extended
W--> 42 <400> 3
43 tgtaaaacga cggcgat 17
45 <210> SEQ ID NO: 4

ENTERED

46 <211> LENGTH: 17
47 <212> TYPE: DNA

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Output Set: N:\CRF3\04162002\J038717A.raw

48 <213> ORGANISM: Artificial Sequence
49 <220> FEATURE:
50 <223> OTHER INFORMATION: DNA primer complementary with base sequence between 88 and
105 of SEQ ID
51 NO:1, and DNA primer being able to be extended
52 <400> SEQUENCE: 4
53 tgtaaaacga cggccag 17
55 <210> SEQ ID NO: 5
56 <211> LENGTH: 95
57 <212> TYPE: DNA
58 <213> ORGANISM: Artificial Sequence
59 <220> FEATURE:
60 <223> OTHER INFORMATION: Template DNA originating from p53 and including base sequence
of exon 8
61 <400> SEQUENCE: 5
62 ctttcttgcg gagattctct tcctctgtgc gccggtctct cccaggacag gcacaaacac 60
63 gcacctcaaa gctgttccgt cccagtagat tacca 95
65 <210> SEQ ID NO: 6
66 <211> LENGTH: 22
67 <212> TYPE: DNA
68 <213> ORGANISM: Artificial Sequence
69 <220> FEATURE:
70 <223> OTHER INFORMATION: DNA primer complementary with base sequence between 55 and 76
of SEQ ID
71 NO:5, but the base replaced T at 19 of this DNA primer by A for introducing a
72 mismatch between DNA primer
73 and template
74 <223> OTHER INFORMATION: DNA, and DNA primer being able to be extended
W--> 75 <400> 6
76 aacagctttg aggtgcgtga tt 22
78 <210> SEQ ID NO: 7
79 <211> LENGTH: 95
80 <212> TYPE: DNA
81 <213> ORGANISM: Artificial Sequence
82 <220> FEATURE:
83 <223> OTHER INFORMATION: Template DNA originating from p53 and including base sequence
of exon 8,
84 but the base replaced A at 55 of this template DNA by T
85 <400> SEQUENCE: 7
86 ctttcttgcg gagattctct tcctctgtgc gccggtctct cccaggacag gcactaacac 60
87 gcacctcaaa gctgttccgt cccagtagat tacca 95
89 <210> SEQ ID NO: 8
90 <211> LENGTH: 22
91 <212> TYPE: DNA
92 <213> ORGANISM: Artificial Sequence
93 <220> FEATURE:
94 <223> OTHER INFORMATION: DNA primer complementary with base sequence between 55 and 76
of SEQ ID
95 NO:7, but the base replaced T at 19 of this DNA primer by A for introducing a
96 mismatch between DNA primer
97 and template
98 <223> OTHER INFORMATION: DNA, and DNA primer being able to be extended
W--> 99 <400> 8

RAW SEQUENCE LISTING

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Input Set : N:\Crf3\03142002\J038717.raw

Output Set: N:\CRF3\04162002\J038717A.raw

102 <210> SEQ ID NO: 9
103 <211> LENGTH: 22
104 <212> TYPE: DNA
105 <213> ORGANISM: Artificial Sequence
106 <220> FEATURE:
107 <223> OTHER INFORMATION: DNA primer complementary with base sequence between 55 and
76 of SEQ ID
108 NO:5 and 7, but the base replaced T at 19 of this DNA primer by A for
109 introducing a mismatch between DNA
110 primer and
111 <223> OTHER INFORMATION: template DNA, and this DNA primer being not able to be
extended
W--> 112 <400> 9
113 aacagctttg aggtgcgtga tc 22
115 <210> SEQ ID NO: 10
116 <211> LENGTH: 22
117 <212> TYPE: DNA
118 <213> ORGANISM: Artificial Sequence
119 <220> FEATURE:
120 <223> OTHER INFORMATION: DNA primer complementary with base sequence between 55 and
76 of SEQ ID
121 NO:5 and 7, but the base replaced T at 19 of this DNA primer by A for
122 introducing a mismatch between DNA
123 primer and
124 <223> OTHER INFORMATION: template DNA, and this DNA primer being not able to be
extended
W--> 125 <400> 10
126 aacagctttg aggtgcgtga tg 22
128 <210> SEQ ID NO: 11
129 <211> LENGTH: 63
130 <212> TYPE: DNA
131 <213> ORGANISM: Artificial Sequence
132 <220> FEATURE:
133 <223> OTHER INFORMATION: Template DNA originating from p53 and including base
sequence of exon 8
134 <400> SEQUENCE: 11
135 gtggtaatct actgggacgg aacagctttg aggtgcgtgt ttgtgcctgt cctgggagag 60
136 acc 63
138 <210> SEQ ID NO: 12
139 <211> LENGTH: 20
140 <212> TYPE: DNA
141 <213> ORGANISM: Artificial Sequence
142 <220> FEATURE:
143 <223> OTHER INFORMATION: DNA primer complementary with base sequence between 44 and
63 of SEQ ID
144 NO:11, and DNA primer being able to be extended
145 <400> SEQUENCE: 12
146 ggtctctccc aggacaggca 20

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/038,717A

DATE: 04/16/2002
TIME: 13:46:09

Input Set : N:\Crf3\03142002\J038717.raw
Output Set: N:\CRF3\04162002\J038717A.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 2
Seq#:2; Line(s) 24,25
Seq#:3; Line(s) 37,38
Seq#:4; Line(s) 50
Seq#:5; Line(s) 60
Seq#:6; Line(s) 70,71
Seq#:7; Line(s) 83
Seq#:8; Line(s) 94,95
Seq#:9; Line(s) 107,111
Seq#:10; Line(s) 120,124
Seq#:11; Line(s) 133
Seq#:12; Line(s) 143

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/038,717A

DATE: 04/16/2002

TIME: 13:46:09

Input Set : N:\Crf3\03142002\J038717.raw

Output Set: N:\CRF3\04162002\J038717A.raw

L:29 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:2
L:42 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:3
L:75 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:6
L:99 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:8
L:112 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:9
L:125 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:10

STATISTICS SUMMARY

PATENT APPLICATION: US/10/038,717A

DATE: 04/16/2002

TIME: 13:46:09

Input Set : N:\Crf3\03142002\J038717.raw

Output Set: N:\CRF3\04162002\J038717A.raw

Application Serial Number: US/10/038,717A

Alpha or Numeric: Numeric

Application Class:

Application File Date: 03-07-2002

Art Unit: OIPE

Software Application:

Total Number of Sequences: 12

Total Nucleotides: 517

Total Amino Acids: 0

Number of Errors: 0

Number of Warnings: 6

Number of Corrections: 0

MESSAGE SUMMARY

258 W: 6 (Mandatory Feature missing)